

Applicant: Elliott et al.  
For: Scanning Plasma Reactor

### ABSTRACT

5 A scanning plasma reactor for exciting reactant gases at a substrate surface including a beam forming module, a gas injection module, a reaction chamber with a window and a vacuum chuck, a gas exhaust module. Radiation from the beam forming module and the reactant gas create an excited plasma zone. The excited plasma zone is translated across the substrate like a windshield wiper blade, or the substrate is conveyed under a fixed gas reaction zone.